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☐	L3	L2 and isoprenoid.clm.	2
☐	L2	tobacco.clm. and hyoscyamus.clm.	6
☐	L1	tobacco and hyoscyamus	444

END OF SEARCH HISTORY

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=> file agricola biosis embase caplus
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=> s hyoscyamus and tobacco and isoprenoid(w)synthase and plant
L1            1 HYOSCYAMUS AND TOBACCO AND ISOPRENOID(W) SYNTHASE AND PLANT

=> d l1 ibib ab

L1   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1997:696645  CAPLUS
DOCUMENT NUMBER:          127:343337
TITLE:                    Isoprenoid synthase fusion
                          proteins and their use in the preparation of novel
                          isoprenoids
INVENTOR(S):              Chappell, Joseph; Back, Kyoungwhan
PATENT ASSIGNEE(S):       University of Kentucky, USA
SOURCE:                   PCT Int. Appl., 47 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 9738703            A1    19971023    WO 1997-US5986          19970411
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
             RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU,
             AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,
             GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
             ML, MR, NE, SN, TD, TG
     US 5824774            A     19981020    US 1996-631341          19960412
     CA 2250712            AA    19971023    CA 1997-2250712         19970411
     ZA 9703108            A     19971104    ZA 1997-3108            19970411
     AU 9727264            A1    19971107    AU 1997-27264           19970411
     EP 904095             A1    19990331    EP 1997-921142          19970411
     EP 904095             B1    20020904
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,
             SI, FI
     BR 9708650            A     19990803    BR 1997-8650            19970411
     AP 808                A     20000229    AP 1997-971             19970411
         W:  BW, GM, GH, KE, LS, MW, SD, SZ, UG, ZM, ZW
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JP 2000508899	T2	20000718	JP 1997-537218	19970411
IN 186316	A	20010804	IN 1997-DE947	19970411
EP 1229122	A2	20020807	EP 2002-9895	19970411
EP 1229122	A3	20021009		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
AT 223225	E	20020915	AT 1997-921142	19970411
TW 509724	B	20021111	TW 1997-86104693	19970411
PT 904095	T	20021231	PT 1997-921142	19970411
ES 2132046	T3	20030316	ES 1997-921142	19970411
CZ 294613	B6	20050216	CZ 1998-3179	19970411
US 6072045	A	20000606	US 1998-134699	19980814
KR 2000005385	A	20000125	KR 1998-708111	19981012
HK 1017275	A1	20030207	HK 1999-102647	19990622
US 2004078840	A1	20040422	US 2003-717500	20031121
PRIORITY APPLN. INFO.:			US 1996-631341	A 19960412
			EP 1997-921142	A3 19970411
			WO 1997-US5986	W 19970411
			US 1998-134699	A3 19980814
			US 2000-514513	A1 20000228
			US 2000-576057	A1 20000523

AB Fusion proteins of enzymes of isoprenoid synthesis that include functional domains from different sources are described for use in the manufacture of novel isoprenoids that may be of agricultural, pharmaceutical, com., or industrial use. The enzymes may be mono-, di-, or sesquiterpene synthases or sterol synthases. Specifically, examples of fusion proteins of isoprenoid synthases of tobacco (5-epi-aristolochene synthase) and Hyoscyamus (vetispiradiene synthase) are described. A series of domain-exchange fusion proteins of these two enzymes were prepared by standard methods and manufactured by expression of the genes in Escherichia coli. This allowed the identification of the domains contributing the formation of specific end-products. The synthesis of novel isoprenoids was observed